

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,870,051 B1  
APPLICATION NO. : 09/346195  
DATED : January 11, 2011  
INVENTOR(S) : Xuehai En et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 9, line 65, claim 9, delete “errorwrteinvestmentbenchmark” and insert  
--errorwrttheinvestmentbenchmark--, therefor.

Col. 11, line 54, claim 25, delete “errorwrteinvestmentbenchmark” and insert  
--errorwrttheinvestmentbenchmark--, therefor.

Col. 13, line 22, claim 32, delete “errorwrteinvestmentbenchmark” and insert  
--errorwrttheinvestmentbenchmark--, therefor.

Signed and Sealed this  
Fifth Day of April, 2011

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D" and a stylized "K".

David J. Kappos  
*Director of the United States Patent and Trademark Office*